

ABSTRACT OF THE DISCLOSURE

The present invention is a method and apparatus for runtime binding of object members. The invention extends the late binding functionality allowed for virtual functions by static compiled programming languages like C, C++, JAVA, to all class members and class methods (functions) of all objects (classes), including virtual functions. According to one embodiment access to any member or method of any object results in a runtime search to find the member or method and to verify that the member or method exists. This eliminates the need to type cast to get access to members of a derived class. Each member of a class has an access control level associated with it, and according to another embodiment this access control protocol is honored by the runtime search to make sure that the user has access to only public members, and not private members.